

# Cumulative Table of Contents

Volume 16, 1998

## Volume 16, Number 1, 1998 Endocrinology of Preeclampsia Scott W. Walsh, Ph.D.

### Foreword

Leon Speroff, M.D.—1

### Preface

Scott W. Walsh, Ph.D.—3

### Endothelial Dysfunction in Preeclampsia

James M. Roberts, M.D.—5

### Circulating Factors as Markers and Mediators of

### Endothelial Cell Dysfunction in Preeclampsia

Robert N. Taylor, M.D., Ph.D., Christianne J.M. de Groot, M.D., Ph.D., Yong K. Cho, M.D., and Kee-Hak Lim, M.D.—17

### Plasma Lipids and Vascular Dysfunction in Preeclampsia

Björg Lorentzen, M.D., Ph.D. and Tore Henriksen, M.D., Ph.D.—33

### Insulin Resistance Syndrome in Preeclampsia

Risto Kaaja, M.D., Ph.D.—41

### Antioxidants and Inflammatory Cell Response in Preeclampsia

James J. Walker, M.D.—47

### The Neutrophil and Preeclampsia

Peter Clark, B.Sc., M.B., Ch.B., M.R.C.P. (UK), M.R.C.Path., Fiona Boswell, B.Sc., and Ian A. Greer, M.D., M.R.C.P. (UK), F.R.C.P. (Glas), M.R.C.O.G., M.F.F.P.—57

### Oxidative Stress and Altered Endothelial Cell Function in Preeclampsia

Sandra T. Davidge, Ph.D.—65

### Dyslipidemia, Iron, and Oxidative Stress in Preeclampsia:

### Assessment of Maternal and Feto-Placental Interactions

Carl A. Hubel, Ph.D.—75

### Maternal-Placental Interactions of Oxidative Stress and Antioxidants in Preeclampsia

Scott W. Walsh, Ph.D.—93

### Editor's Formulation

Scott W. Walsh, Ph.D.—105

## Volume 16, Number 2, 1998 Androgens in Menopause Leo Plouffe, Jr., M.D., C.M.

### Foreword

Leon Speroff, M.D.—107

### Preface

Leo Plouffe, Jr., M.D., C.M.—109

### Androgen Metabolism and the Menopause

Christopher Longcope, M.D.—111

### Ovaries, Androgens, and the Menopause:

### Practical Applications

Leo Plouffe, Jr., M.D., C.M.—117

### Cardiovascular Aspects of Androgens in Women

Philip M. Sarrel, M.D.—121

### Androgens and Bone Health

Keith A. Hansen, M.D., and Sandara P.T. Tho, M.D.—129

### Androgen Effects on the Central Nervous System in the Postmenopausal Woman

Leo Plouffe, Jr., M.D., C.M., and James A. Simon, M.D.—135

### Risks of Menopausal Androgen Supplementation

Scott M. Slayden, M.D.—145

### Testosterone Delivery Systems for Women: Present Status and Future Promise

Peter R. Casson, M.D., Sandra A. Carson, M.D., and John E. Buster, M.D.—153

### Dehydroepiandrosterone (DHEA) and DHEA-Sulfate (DS) as Therapeutic Options in Menopause

Seth Katz, M.D., and Arlene J. Morales, M.D.—161

### Editor's Formulation

Leo Plouffe, Jr., M.D., C.M.—171

## Volume 16, Number 3, 1998 Preimplantation Embryo Development Michael P. Steinkampf, M.D.

### Foreword

Leon Speroff, M.D.—173

### Co-Culture Update: Creating an Embryotrophic Environment In Vitro

Barbara-Ann Conway-Myers, Ph.D.—175

### Embryo Cryopreservation

Marcelle Cedars, M.D.—183

### Optimization of Culture Conditions for Human In Vitro Fertilization and Embryo Transfer

Maha M. Mahadevan, D.V.M., Ph.D.—197

### An Update on Human Fertilization

Christopher J. De Jonge, Ph.D., HCLD—209

### Integrins, Endometrial Maturation, and Human Embryo Implantation

Christos Coutifaris, M.D., Ph.D., Akinyinka Omigbodun, M.D., and George Coukos, M.D., Ph.D.—219

## Volume 16, Number 4, 1998 Free Radicals in Gynecology and Obstetrics Ana A. Murphy, M.D. and Sampath Parthasarathy, Ph.D.

### Foreword

Leon Speroff, M.D.—200

### Preface

Ana A. Murphy, M.D., and Sampath Parthasarathy, Ph.D.—200

### Oxidation and the Spermatozoa

Jong G. Kim and Sampath Parthasarathy, Ph.D.—200

### Free Radicals in Disease

Neil Hogg, Ph.D.—200

### Inflammation, Lipids, and Free Radicals:

### Lessons Learned from the Atherogenic Process

M.D. Rosenfeld, Ph.D.—200

Endometriosis: A Disease of Oxidative Stress?

*Ana A. Murphy, M.D., Nalini Santanam, Ph.D.,  
and Sampath Parthasarathy, Ph.D.—200*

Oxygen Radicals, Antioxidants, and Lipid Peroxidation

*Nalini Santanam, Ph.D., Sumathi Ramachandran,  
Ph.D., and Sampath Parthasarathy, Ph.D.—200*

Aging, Menopause and Free Radicals

*Dawn C. Schwenke—200*

Antioxidant and Prooxidant Actions of Estrogens:  
Potential Physiological and Clinical Implications

*Lauren Nathan, M.D. and Gautam Chaudhuri,  
M.D., Ph.D.—200*

Editors' Formulation: Oxidative Stress in Gynecology

*Ana A. Murphy, M.D. and Sampath Parthasarathy,  
Ph.D.—200*

